



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

II. *An Account of Mr. Sam. Brown his Sixth Book of East India Plants, with their Names, Virtues, Description, &c. By James Petiver, Apothecary, and Fellow of the Royal Society.*

To these are added some Animals, &c. which the Reverend Father George Joseph Camel, very lately sent him from the Philippine Isles.

The following Plants being less known, and more enquired for by Curious Persons, I took them out of several Books at different Seasons and placed them here together.

227. *Car-cai* Malab.

S. B. 227.

Pomet. l. 7. p.

221. Fig.

Jonst. Dend.

Tab.

Park. 246.

Myrobalanus citrina & nigra Officinarum.

1 Fig.

Myrobalan citrin Pomet l. 7. p. 221. Fig.

Fragos. 54.

Myrobalanifera Sorbi foliis Jonst Dendrolog.

22.

Myrobalanus citrina Park. 246. 1. Fig. citrina folio Sorbi, *Fragos* 1 Fig.

54. c. 22. citrinæ IB. l. 2. p. 205. desc. 201. Fig. 2. id. pr. 7. lin. 16, c. 22.

Chabr. 13. Fig. 3. citrini Ger. 1316. Fig. 2. id. emac.

I. B. l. 2. p.

Myrobalanus citrina & flava Dale Pharm. 443. 2. flava Garc. 205. & 201.

116. Fig. 1. Azfar *Arabibus*, Arare *Cambayensisbus* Aritiqui Me- Fig. 2.

dicis. Clus. Exot. 195. Fig. 1. Ray H. Plant, 1531. 2. *Myrobla-* IB. pr. 7. lin.

ani teretes citrini bilem purgantes CB. 445. 2.

16. Chabr. 12

Fig. 3. Ger.

Myrobalan Indien Pomet. l. 7. 221. Fig. c. 33.

1316. Fig. 2.

Myrobalani nigræ octangulares C. B. 445. 4.

Ger. em. Dale.

Myrobalanifera Salicis folio Jonst Dendr.

443. 2. Garc.

116. Fig. 1.

Myrobalanus Indæ nigræ, sine nucleis I. B. l. 2. p. 201. Fig. 1. Clus Exot.

p. 204. desc. id. pr. 7. l. 15. Chabr. 13. Fig. 2. Inda & nigra Of- 195. Fig. 1.

fic. Dale 443. 1. Indica Park. 247. 5. Fig. Indica aut nigra Sali- Ray H. Pl.

cis folio Fragos. 54. c. 22. Indica five nigra Garc. 116. Fig. 2. C. B. 445. 2.

Afuat *Arabib.* Rezanuale *Cambayensisbus* Clus Exot. 125. Fig. 2. Pomet. l. 7.

1531. 2.

Ray H. Pl. 1531. 1.

221. Fig. c. 31

Myrobalanus Indici Ger. 1316. Fig. 4.

GB. 445. 4.

The Yellow and Black Myrobalans.

This the Natives say purges Choler, and cures the Jaundice,

D d d d d d d

either

Sonst Dend.
Tab.
1 B. l. 2. p.
201. Fig. 1.
p. 20. 4.

either in Powder or Decoction; an Infusion in Cow-pis, cures *Dropsties* of all sorts. The *Fruit* well roasted and eaten with *Jagree* cures *Bloody Fluxes*, and with *Honey* cures *Cough* and *Affma*. These serve for a hundred things more, mixt with other *Phyfick*.

The *Fruit* when fresh are smooth and oval, when half ripe, *Green*, when full ripe some are *Yellow*, some *Purplish*, according as they respect the Sun or Shade. Either green or ripe, they have a very harsh taste. They grow 15 or 16 foot high, and almost a foot diameter. *S. B.*

S. B. 228.

Dale 444. 4. *Myrobalanus Bellerica Officinarum* Dale Pharm. 444. 4. *Ger.*
Ger. 1316. Fig. 1316. *Fig. Ger. cm. 1500.* *Fig. Park. 247 Fig. 3. Ray H. Pl.*
Ger. cm 1500. *Fig. Park. 247. 1532 5. Myrobalani rotundæ Bellericæ CB.* 445. 3. *Bell rotun-*
Fig. 3. diores IB. l. 2. 201. Fig. & 206. desc. IB. pr. 7. l. 19. Bellericæ
Ray H. Pl. *Chabr. 13. Fig. 6. an Tani Malab. Gottinga Brach. Biborala Lu-*
C. B. 445. 3. fit, Heylpeeren Belg. Hort. Malab. Vol. 4. Tab. 10. p. 23. Ray
IB. l. 2. 201. H. Pl. 1547. c. 53.

Fig. 206. The *Natives* say the Decoction with *Jagree* cures the *Gonor-*
IB. pr. 7. l. 19. rhea. See its other *Vertues*, in *Mr. Sam. Brown* his 3d Book of
Chabr. 13. Fig. the Phil. Transact. No 271. p. 844. 96.

S. B. 3. 96. Of *Myrobalans* the *Natives* say the *Woods* hereabout produce
*H. Mal. v. 4. 7 sorts, (besides the *Billerica* and *Embllica*, which they do not*
Tab. 10. p. 23. reckon of this Species) which are, viz.
Ray H. Pl. 1547.

- 1. *Carcai* or *Myrobalanus Citrina*. *S. B. 227.*
- 2. *Pala Carcai*, this I cannot get a good *description* of as yet.
- 3. *Pinge Carcai* *Myrobalanus Indica*.
- 4. *Deavatai Carcai* *Myrobalanus Chebula*.
- 5. *Shuracai Carcai*. They say is a finger *long*, and 2 or 3 *thick*.
- 6. *Neapaula Carcai*. No good *description* of this as yet.

Danmantree Carcai. This it's said is as big as the *Cydonia Indica*, and like it both in form and smoothness. This they say will purge as many times as it's smelt to: In the *Prosperity of St. Thomas* they were sold for 2 *Rupees* apiece; I am told that a *Moor* whose Name is *Emann Begg* has one of these, and if so, I'll procure a sight of it. If these grow hereabout, as I am informed, I'll procure them. nay, if within 200 miles of this place. Three sorts I have now procured, and sent their Specimens, *viz.* the *Myrob*, *Citrina* and *Bellerica* in this sixth book of odd Plants, and the *Embllica* in the 3d No 106. I shall shortly have the *Mirob. Indica*, and then I'll send it. *S. B.*

Since

Since I made these Collections, I went again up the country, and in my way call'd at *Sange veras Pollum*, where many of the *Citrin Myrobans*, or *Carcai* Trees grow, and saw them gather the tender Fruit of the said Trees, which the Wind blew down on the ground ; these the *Natives* having dried well in the Sun differed nothing from the *Myrobalanus Indica* ; the *Natives* also affirmed they were the *Pinge Carcai*, so that the *black* and *citrin Myrobalan* do both grow on one Tree. Of this after further enquiry will send a fuller account.

But I can't forbear adding, that what *Parkinson* condemns for an Error in *Mesue*, may not be so ; the last asserts that the *Chebula*, *Citrina* and *Indica* grow all on the same Tree ; the 2 last I know do, and it may be the first do so too, in the fertile soils of *Arabia* and *Persia* : (*India*, at least the Sea Coasts are sterile in comparison with them) but here the *Citrin Myrobalans* which grow in rich grounds, both Tree and Fruit is larger than the common, and tho the Fruit is not quite so large as those that come from the borders of *Persia*, or inland richer Soyls, yet are very much alike as to form, substance or taste. *S. B.*

229. *Chandana-Maraum Malab.**S. B. 229.**Santalum album & Citrinum Officinarum.**Muf. Petiver*

Baccifera Madraspatana Glycyrbizæ foliis, fructu coronato Muf. 37.
Petiver. 37. Santalum album and pallidum C B. 392. 1, 2. album C B. 392. 1. 2.
& citrinum Park. 1605. c. 47, IB. 1. 4. 486. Fig. Chabr. 36. Fig. 5, 47.
6. Dale 478. 1. 2. Pomet 1. 3. 107. c. 3. Ger. 1388. Ray H. Pl. IB. 1. 4. 486.
1804. Santalum verum ligno citrino & albo, foliis Laurinis Breyne 36. Fig. 5. 6.
prodr. 2. 88. 1. WHITE and YELLOW SANDERS. Dale 478. 1.

Grows 40 or 50 foot high, and a foot or more diameter. The *2. Pomet. 1.* *Sanders* is only the heart of the Tree, the Sap is very large, al- *3. 107. c. 3.* most equal to that of *Ebony*. The *Natives* use the *Decoction* as *em.* *Ger. 1388.* a Specific in *Consumption* and *Hectick Feavers*, outwardly they *Ray H. Pl.* anoint with it, ground in *Rose-water*, to allay heat, and for the *1804. Breyne.* *pr. 2. p. 83. 1.* smells fake.

The *White Sandal* or *Sanders* is only the *yellow* fell'd too soon before 'tis ripe, which is *Cordial* and *Cooling*. *N. B.*

The *Natives* reckon 3 sorts of *Sandal* or *Sanders*, viz. *1st*, *S. B. 2. 71.* *This. 2dly, Red Sanders. S. B. 6. 230. 3dly, Black Sanders, S. B. 2. 71.*

230. *Chum-maraum Malab.* *S. B. 230.*
Santalum rubrum quibusdam, Arbor Orientalis Ponæ facie Muf. 679.
Petiver. 679. INDIAN RED SANDERS. Muf. Petiv.

' This grows 16 or 18 foot high and one thick : Here is neither *Fruit* nor *Flower*, but I will get them by the next opportunity ; The *Decoction* of the *Wood* expels *Wind*, eases *Gripes*; and is something cooling, corrects *Choler* and purifies the *Blood* : Tis where it grows in the *Woods* counted a general *Panacea*. S. B.

S. B. 231.

231. Mungle *Malab.* Veadaru *Gent.* BAMBU.

Bambu Indica Sparganii capitulis, verticillis dispositis.

This grows 40, and sometimes 50 foot high, and 6 inches diameter, the *Seed* is like *Sesamum* (or *Gingelle*, as the *Malabars* call it) which I will send another time. A *Decoction* of the *Leaves* and *Rind* dissolves clotted *Blood*, provokes the *Lochia*, and is mixt with other *Physick*, for many things : The *Salt* or white substance found within the *Bambu*, breaks the *Stone*, and provokes *Urine*. S. B.

S. B. 132.

232. Coche *Tammartia Malab.*

Ray H. Pl. Bilimbi Malabarica Pajomiriobæ folio.

1449. 7. *Malus Indica*, fructu pentagono. *Bilimbi* dicta *Ray H. Pl. 1449. H. Mal. V. 3.* 7. *Bilimbi Malab.* *Malaki Karamboli Bram.* *Bilimbinos Lufit.* *Tab. 45. 6. p. 55.* 7. *Blymbinen Belg.* *H. Mal. Vol. 3. Tab. 45. 6. p. 55.* *Billing-bing Bont. 133. Fig. an Belimbi arbor Zan. 17 and 25.* *Flor. P. Mal. 167. 5 Malab.* 167. 5. *id. Fol. 42. 2. 5.* *Id. Fol. 42. 2. 5.*

This is a species of S. B. 5. 207. grows 15 or 16 foot high, and thick as ones thigh : the *Fruit* is cooling and very sour, serves for *Atchar*, sweet meat, and is put in *Carries*. S. B.

This differs from S. B. 5. 207. in having much larger *Flowers*, and its *Leaves* longer and narrower, with 10 or more pair on each stalk, whereas the other has rarely more than five.

S. B. 233.

233. Paringe *Nellekai Malab.*

Pluk Tab. 269.

Fig. 2. Alm. Charamei Malabar. Caffæ fistulæ folio.

*Bot. 45. pl. 11. Arbor exotica, fructu racemoso, Charamais dicta C. B. 401. 2. Park. 1638. Arbor. Malabarica Fraxini fera folio, officulo fructus octangular c. 108. Fig. Pluk. Tab. 269. Fig. 2. Alm. Bot. 45. pl. 11. lin. 25. Charamei Park. Lugd. 1875. c. 115. Fig. 1638. c. 108. Fig. Acoft. Lugd. 1875. c. 15. Fig. Acoft. fol. Pyri IB. l. 1. p. 88. IB. l. p. 88. c. 20. Fig. IB. pr. 3. c. 20. Chabr. 4. Fig. 3. Charameis c. 20. Fig. Caff. Durant. 120. Fig. Acoft. aclus Exot. 292. c. 58. in *Canara, Decan.* IB. pr. 3. c. 20. Araznavali vulgo Charameis ; *Arabibus Persis & Turcis Ambela.* Chabr. 4. Fig. 3. *Clus Exot.* 11. *Lufit.* *Suercnoop Belg.* *H. Mal. Vol. 3. Tab. 47. 8. p. 57.* *Ray 29. c. 58.* *H. Pl. 1450. 8 Fl. Mal. 61. 2. id. Fol. 16. 1. 3.* *H. Mal. v. 3 Tab 47. 8. p. 57.* This grows about 12 foot high, and almost as thick as ones thigh : here are 2 *jets*, one bears *Fruit*, and the other not, (which the*

the *Hort. Malab.* also confirms) I take this for a sort of *Myroba*-^{Ray H. Pl. 1450.} *lan*, and is the most pleasant of all I know as yet, having a very ^{8 Fl. Mal. 61. 2.} grateful acidity, and makes sweet Meats, *Achar*, &c. The *Portuguese* here call this *Cheremelas*, the *Natives* use it very little in *Phyfick*; the name signifies *Christians Myrobalan* or *Christians Nellecay*. S. B.

234. *Tumba maraum* or *Carpa maraum Malab.*

Guajavae fructu, arbor Madrasp. foliis Fagi maximis Mus. Pe-^{S. B. 234.} *Mus. Petiver*
tiver, 417. INDIAN EBONY. ^{417.}

This is the *Ebony* we use here; 'tis a very large tall Tree, about the Mountains of *Trippette*, 50 or 60 foot high, and about 3 foot thick; but those that grow nearer the Sea side are hardly one third of that bigness, containing little or no *Ebony*: the heart of the Tree only being black, which in the largest Trees seldom exceeds a foot, often less, the rest all white Sap: The *Fruit* is good to eat, being very sweet, like *Chetapaulum* and *Atapaulum*, S. B. 5. 193. the Seed of which last and these are exactly alike: I therefore count them to be of kin. I can't as yet learn that the *Natives* use this in *Phyfick*, except here and there one, who use it as an ingredient in their *Cuddanee* (which is Decoctions for the *Pox*) which possibly they may have done in imitation of the *Portuguese*, who do the same. S. B.

235. *Poon chedde Malab.*

Waga sensitiva aquatica Malabarica non ramosa.

S. B. 235.
Pluk. Tab. 307.

an Mimosa Orientales non spinosa, rarioribus ramis, floribus spicatis Pluk. Tab. 307. Fig. 4. an Aeschynomene mitis. 2, vel potius Herba casta Zeylanica siliquis latis compressis minoribus Bryen. Cent. 47. Fig. Siliq. 52. 2. 3. Ladischini Bram. Totta Vaddi Malais. Ray H. Pl. 981. 7. Niti Toddha Vaddi Malab. Lauri Bram. H. Mal. Vol. 9. Tab. 20. p. 35.

Fig. 4.
Bryen. Cent.
47. Fig. 52. 2. 3.
Ray H. Pl. 981.
Totta Vaddi 7. H. Mal. v. 9.
Tab. 20. p. 135.

This is a Species of *Herba viva*, for if toucht it shuts its *Leaves* (tho very softly) which before were expanded, the branches do not move. It grows in *Ponds* from a light, spongy, long trailing stalk, which spreads much, is about a finger thick when wet, but when dry shrinks to a small matter, as may be seen by the white part of the stalk of this Plant, which serves for a *Root*: The *Natives* neither eat, nor use this in *Phyfick*, but they believe if the *Juice* of it be rubb'd on *Womans Breasts*, which are too big, it will make them little, and also will dry away *Milk*. S. B.

S. B. 236.

H. Mal. v. 9.

Tab. 21. p. 37.

236. Chaddai lackaree *Malab.**Waga sensitiva, Madraspatana, ramosa, virgulis lignosis.*an Malam Toddha vaddi *Malab.* H. Mal. Fol. 9. Tab. 21. p. 37.
which the description better answers than the Figure.

This is another Species of *Herba Viva*, and grows on dry ground, the Flower is of a purplish colour when fresh: If you touch this Plant never so gently it will all fall down, and the Leaves shut together much more than the former. This is commonly eaten by the Natives as Food; it's of no use in *Physick*, but these People say that if the Juice of it be rubb'd on the Hands of any person, and he stroaks the Breasts of a Woman, 'twill cause her to love him; they are full of these ridiculous stories. S. B.

H. M. v. 9. p. 37. The *Hort. Malab.* also asserts Vol. 9. p. 37. that the Natives superstitiously believe it will provoke Love, and restore lost Virginity. To this let me add another species, viz.

S. B. 236. 1. *Waga sensitiva Madraspatana* non, vel minus ramosa. It differs from the last in being less branched, and its stalks long, very slender and not woody, the divarications of its Leaves are rarely 3 pair, and often but one; its Flower or podds differ not.

S. B. 227.

Alm. Bot. 5. pl.

7. Breyne. pr 1.

v. 35. pl. 5.

Breyne. pr. 2.

p. 37. pl. 1.

P. B. pr. 331. 1.

Breyne. Cent.

61. c. 22. Fig. opt. 2.

Breyne. pr. 1. p.

35. pl. 5.

Ray H. Pl. 981.

10. El. Bot.

492 Inst. R.

Herb. 619.

Du Tercore 154.

Cat. Pl. Jain.

149. pl. 2.

237. Mail Conei *Malab.**Pavoninus utriusque India, flore variegato.**Acacia Orientalis gloria, Coluteæ foliis, rachi medio ad genicula foliummodo spinis gemellis aculeata* Alm. Bot. 5. pl. 7.*Colutea Indica, platycarpos flore pavonino* five *Flos Indicus pavoninus Monaramal Zingalensis* Herman. not. Msi. Breyne. pr.

61. c. 22. Fig. opt. 2. pl. 35. p. 5.

*Crista pavonis Coronillaæ folio 4. five floribus spicatis amplissi-**mis exaureo & coccineo variegatis, siliqua* Pisi Breyne. Prod. 2. pl.

37. pl. 1.

Erythroxylum Indicum minus, spinosum, Coluteæ foliis, siliquis angustioribus, flore ex luteo & rubro eleganter variegato P. B.

pr. 333. 1.

Frutex Pavoninus five *Crista Pavonis* Breyne. Cent. 61. cap. 22.

Fig. opt. Breyne. prodr. 1. p. 35. pl. 5. Ray H. Pl. 981. 10.

Poinciana fl. pulcherrimo El. Bot. 492. Inst. R. Herb. 619.*Poincillane ou Fleur de S. Martyn* Dutertre 154.*Sena spuria arborea spinosa, foliis alatis ramosis seu decompositis, flore ex luteo & rubro specioso* Cat. Pl. Jam. 149. pl. 2.*Monarakudimbija* five *Cauda Pavonis Zeylanensis*, Foula de Pavan Lusti Tsetti Mandaru *Malab.* Tsjettia Bram. Paauwen

staarten

staarten Belg. Hort. Malab. V. 6. Tab. 1. p. 1, *Flor. Malab.* 91. 11. id. Fol. 23. 2. 11. St. Jago-Flower of Ligon p. 15 & 99. Flower Fence of Barbadoes. Wild Sena or Spanish Carnations of Jamai- ea. Cat. Pl. Jam. 140. 2.

Mr. Brown says these Flowers are consecrated to their Idols; and the Hort. Malab, affirms, that they are generally cultivated in their Gardens and Burying-places, it being there an ever-green, and very beautiful, bearing Flowers or Pods most part of the year, especially in *May* and *August*, and abour our *Christmas*.

238. Shevanar calunga Malab.

S. B. 238.

Lilium Zeylanicum superbum Hort. Amst. V. 1. p. 69. Fig. 35. *Hort. Amst. Lil. Zeyl. superbum vulgo* H. L. Bat. 689. Fig. L. Zeyl: superb. v. 1. p. 69. Fig. rad. tuberosa, florem petalis coccineis-simbriatum reflexis. H. Bof. 35. H. L. Bat. a. n. Methonica Malab. Niengala Zeyl. Mus. Zeyl. Mendoni Mal. H. Bofian. H. Arty Bram. Raiz d' empose Lusit. Croes-steen Belg. Hort. Malab. Mal. v. 7. Tab. V. 7. Tab. 57. p. 101. Fl. Mal. 175. 4. id. Fol. 44. 2. 4. Ray H. 57. p. 101. Pl. 1915. The proud Zeylon Lilly. Fl. Mal. 175. 4. id. fol. 44.

When this grows near any thing that may support it rises 6 2. 4. Ray H. or 8 foot high: but by itself not above 3 or 4. the Leaves be- Pl. 1915. low and at top alike; the Root is crooked, a finger thick, and about 4 inches long, white like Ginger, and used by the Natives as a general counter poyson, which it expels by Vomit, Dose scri. in a cup of Vinegar, rub it on a Stone till it desolves and mixes with the same: the Natives make an Oyl with this, Shevano weamboo and Odingee. of the Root, Bark, Leaves, Fruit, Flowers &c. of these 3, which they cut small, and put into a very great Earthen-pot, covered with a flat earthen pan, and lute it on; in the bottom of the great Pot they make a hole big as a Sail Needle, to which they apply a small Pan to receive the Oyl, the great Pan being buried half way in the ground, they make a Fire round it with Cow Dung, till all the Oyl is distilled into the Pan below. This cures, they say, all sorts of venomous bites and Vonda guddee: but against that of the Cobree de Capello 'twill do no good, as I have tryed. S. B.

The Hort. Malab. takes notice that the Natives ascribe very great Sympathetical, Magical and other Metaphysical Operations, H. Mal. v. 7. to that part of this Root which grows towards the North. Hort. Tab. 57. p. Malab. V. 8. p. 108.

239. Peape pingkai Malab.

S. B. 230.

Luffa Malabarica fructu reticulato sem. nigro.

Pluk. Tab.

Cucumis Indicus striatus operculo donatus, corticoso putamine tectus

172. Fig. 1.

Alm. Bot. 113. tectus Pluk. Tab. 172. Fig. 1. Alm. Bot. 123. pl. 12. *Cucumis sylvestris Malabaricus* fructu striato amore Cornel. in H. Mal. V. 8.

H. Mal. v. 8. Tab. 7. p. 7. 13 P. 14.

H. Lugd. Bat. 482. p. 4. Pepo Zeylanicus reticulatus & sulcatus semine nigro. *Parad. Bat. app. 11. pl. 2. an Pepo Indicus reticulatus seminibus nigris minor H. L. Bat. 482. pl. 4?*

Picinna Malab. Gonialy Bram Patolas *Lusit. Traken Belg. H. Malab. V. 8. Tab. 7. p. 13. Fl. Malab. 97. 2. id. Fol. 25. 1. 2.*

H. Mal. v. 8. Tab. 7. p. 13. The Root is 2 fingers thick a yard long; sometimes more, white both within and without, the Root and Fruit are very bitter and Cathartick; the Juice of the Fruit I have seen put up the Nose of an Apoplestic Person, which caused him to void much Slime and Filth by Mouth and Nose, and in 2 days recovered him, contrary to expectation. S. B.

This Plant is admirably delineated amongst Dr. Herman's Designs, mentioned in the end of his *Paradysus Batavus*, Printed A. D. 1698. in 4to; where the Flower, Seed, and a view of the reticulated pulp is there elegantly shewn, which neither the Hort. Malab, or Dr. Plukenet's Figures has express.

My worthy Friend Mr. Edward Bulkley some time since procured me a decorticated Fruit of this Gourd from Persia composed of curious reticulated Figures, as you may see it Figured in the xith Table of my *Gazophylacium Naturæ*.

S. B. 142. 240. *Narra Villan calunga. Malab.*

Lilia sphodelus *Malabaricus angustifolius.*

H. Mal. v. xi. Belutta Pola Taly Malab. H. Malab. V. xi. Tab. 38. p. 75.

Tab. 38. p. 75. This has a bulbous Root big as a very large Turnip, the inside Alm. Bot. 219. of the Flower is White, the outside Red, has no smell: The Juice pl. xi. of the Root, or a Decoction of it, helps sharpness of Urine and Gonorrhœa. S. B.

Altho Dr. Plukenet in his *Almagesft. Botan.* p. 219. pl. xi. hath quoted the *Hortus Malab.* for this Plant, yet since that in his *Mantissa* he hath made and altogether new.

To this let me add another which Mr. Brown sent me, gathered at Arcaut about Fort St. George, viz.

S. B. 240 1. Lilia sphodelus *Malabaricus latifolius.*

H. Lugd. Bat. 683. Fig. 1. *Lilium Zeylanicum umbelliferum & bulbiferum. Tolabo Zeylanicum* *nemisibus Mus. Zeyl. H. L. Bat. 683. Fig. Sjovanna Pola Tali Malab. 39. p. 77. lab. Gola Kondo Bram. H. Mal. V. xi. Tab. 39. p. 77.*

This Bulb is larger, and hath much broader Leaves than the last.

241. Coode tourae *Malab.*

Phaseolus Emuyacus foliis *Cajan minoribus*, siliquis *Orobi ferrugineis*.

an *Phaseolus minor Bisnagaricus*, foliis argenteo colore villosis, Pluk. Tab. 52. siliquis torosis brevibus spadicea hirsutie pubescentibus, fructu Fig. 3. parvo Scaraboide nigro Pluk. Tab. 52. Fig. 3. Alm. Bot. 290. pl. p. ult. Alm. Bot. 290. an *Phaseolus Zeylanicus Salviae* foliis subrotundis mollibus P. B. p. 364. & hirsutis P. B. pr. 364. pl. 5. an *Orculus Phaselodes Zeylanicus* pl. 5. foliis *Salviae* rotundis incanis subhirsutis P. B. pr. 359. pl. ult. P. B. pr. 359. pl. ult.

A Decoction of the Root (which is a Finger thick and white)^{pl. ult.} cures Fevers. S. B.

That Curious Botanist Mr James Cunningham first brought me this from *Emuy.*

242. *Cantau verre or Caleau verre Malab.* *Anil Madraspatana* H. Un. 35. trifoliata, siliquis carinatis hirtis. II. Un. 35. Aet. Phil. No. 244. Aet. Phil. No. 244. p. 330. pl. 35. 244. p. 330. p. 330. pl. 35.

The Decoction of the whole Plant cures *Rheumatism* and ^{pl. 35.} Pains. This is *wild Nil*, but makes no *Indigo*. S. B.

243. *Tipplelee Malab.*

Piper longum Officinarum.

Piper longum I. B. l. 15. p. 186. Fig. I. B. pr. 39. pl. 22. *Chabr.* I. B. pr. 39. 125. Fig. 6. *Ger.* 1355. Fig. *Ger.* emac. 1538. Fig. *Park.* 1604. *Chab.* 125. Fig. *Clus. Exot.* 20. Fig. & 183. Fig. *Pragos.* 32. *Garc.* 94. an *Pi-* Fig. 6. *Ger.* *per longum* *Hern.* 126. Fig? *Tlatlancuaye* & *Ecapatli Mexic.* 1355. Fig. *Ger.* em. 1533. *Buyobuyo* & *Sabiam Phillipensis*. Fig.

Piper longum Orientale CB. 412. 3. an *Piper longum Javanense* Park. 1604. *Incolis Chiabe dictum Linschot.* Ind. Or. p. 4. Fig. 30. Fig.

Pepe lungo Durant. 343. Fig.

Cattu Tirpali Malab. *Bipali Bram.* *Pimenta Lusit.* *Lange Pe-* Fig. 183. Fig. *per Belg.* H. Mal. Vol. 7. Tab. 14. p. 27. *Fl. Mal.* 215. 2. *id. Fol.* *Pragos.* 32. *Garc.* 94.

54. 2. 1. *Darfulful Arab.* *Pimpilim Bengal.* *Pif. Mant.* *Arom.* 185. Fig. *Durant.* 343. *Poivre long des Indes Pomet.* l. 7. p. 191. Fig. c. 6. p. 196. an Fig.

Poivre long de l' Amcrique Pomet. l. 7. 191. Fig. c. 7. p. 196.

Dale 495. 1. *Ray H. Pl.* 3143. 5.

This is the *true* or *Best Long Pepper*: Here is in the *Bazar* another sort, bigger, but not so good, call'd by the *Malabars* *Auna Tipplelee*. The *Natives* use the small sort in many Distempers, as *Fevers*, want of *Appetite*, for *Lying in Women*, &c. but the other they do nothing with but give it as *Physick* to their *Elephants*. S. B.

E e e e e e

After

After Dr Plukenet has made 2 different *Long Peppers* of this one, viz. in his *Phytographia*, Tab. 104. Fig. 4. and in his *Mantissa*, p. 151. yet in the next line he says this *Tipplee* of the *Malabars* is the *Piper nigrum præstantissimum*; which contradiction I know not how to reconcile.

S. B. 6. 244.

244. *Aumana maraum Malab.*

Palma Madraspatana, Oleandri angustissimi folio.

H. Mal. v. 1. Tab. 1. p. 1. Ray H. Pl. 1356. 4.
This is a large and strange species, as I believe, of the *Palm-tree*, the Body in all things resembles the *Coco-nut Tree* (Hort. Malcb. Vol. 1. Tab. 1. p. 1. Ray H. Pl. 1356. 4.) but the *Fruit Flower* and *Leaf* are different. I can learn no *Physical Use* it has as yet. S. B.

S. B. 6. 245.

Pluk. Tab. 120. Fig. 1.

245. *Varail chuddee Malab.*

Chamæ-crista Pavonis Madraspatana minima, Nabathea foliis.

This is another species of *Herba viva*, the Branches budge not, only the Leaves shut when toucht. The *Natives* grind it with *Breast Milk*, and anoint Infants who have the *Carpaum* or *Scab* with it. S. B.

Notwithstanding Dr Plukenet in his *Phytograph.* Tab. 120. Fig. 1. had given a good Cut of this from a Specimen I gave him, yet in his *Mantissa*, p. 131. he has been pleased to give it again as altogether New, with a Title very different from it.

246. *Conea maraum Malab. CASSIA FISTULA.*

S. B. 6. 246.

Bont. 101. Fig. cap. 10.

Pomet. l. 7.

217. Fig. c. 30.

219. Vesl. 3.

c. 2. Cam. H.

Med. 36. pl. 3.

Ger. 1242.

fig. opt. Ger. em.

1431. fig.

Fragos 43. c.

14. Durant.

97. fig. Alp.

Egypt. Pat. 3.

c. 2. Hern. 87.

c. 55. CB. 403.

1. Zan. 25.

Nicremb.

327. c. 88.

Breyn. pr. 2. p.

26. pl. 5. Lob.

Arbor Cassiam solutivam ferens Bont. 101. Fig. c. 10.

Casse des Isles Pomet. l. 7. 217. Fig. c. 30. 219.

Cassia Vesling. in Alp. p. 3. c. 2.

Cassia Ægyptia sive purgans Cam. H. Med. 36. pl. 3.

Cassia Fistula Ger. 1242. Fig. opt. Ger. emac. 1431. Fig. Fra-

gos. 43. c. 14. Durant. 97. Fig. Alp. Ægypt. Ven. p. 1. c. 2. id.

Pat. 3. c. 2. Hern. 87. c. 55.

Cassia fistula Alexandrina C. B. 403. 1.

Cassia fistula les Antiles Rochfort. Hist. 77.

Cassia fistula Indica Zanon. 25.

Cassia fistula Occidentalis Nieremberg. Hist. Nat. 327. c. 88.

Cassia fistula seu Nigra Alexandrina Gesn. H. Germ. 251.

Cassia fistula vulgaris, fl. luteo Breyn. pr. 2. p. 26. pl. 5.

Cassia fistula & Cassia filiquosa purgatrix Lob. in Pharm. Rond.

Nicremb.

40.

Cassia nigra Dod. Pemp. 787. c. 30. Fig.

Cassia purgatrix IB. l. 12. p. 416. c. 2. Fig. Chabr. 89. Fig. 3.

Cassia

Cassia solutiva *IB.* pr. 32. pl. 4. *Clus.* *Exot.* 271. c. 22. & 332. ^{in Pharm.}
 c. 44. *Garc.* 122. c. 29. ^{Rond. 40.}
 Cassia solutiva. *vulgaris Park.* 234. c. 33. Fig. 1. ^{Dod. Pamp.}
 Siliqua aut Cassia purgatrix, *Arabum Carrobiis* similis *Adv.* *IB.* pr. 32. pl. 4
^{787. c. 30. fig.}
 414. *Siliqua Indica*, i. e. *Cassia fistula* quam veteras *Fabam Indicam* ^{271. c. 22. 3}
 vocant *Cord.* 194. c. 24. ^{332. c. 44.}
 Chaiarz ambar *Ægypt.* *Conna Malab.* *Bajo Bram.* *Hort. Malab.* *Park.* 234. c.
 V. 1. Tab. 22. p. 37. *Quauhayovatli Mexican.* *Hern.* 87. c. 55. ^{33. fig. 1. Adv.}
Dale 505. 5. *Ray H. Pl.* 1746. c. 8. *Cat. Pl. Jam.* 145. pl. 1. ^{414. Cord.}
 This *Cassia Fistula* is a very great Tree, the Natives reckon ⁴ *Hern.* 87. c. 55.
 sorts of it, 1. This. 2. *Ckengunne*, or *Chen conea*. 3. *Mail H. Mal.* v. 1.
Conea. 4. *Mange Conea*. But this only bears the purging *Caf-* ^{Tab. 22. p. 37.}
sia fistula; the Bark of the Root is likewise purging: The *Na-* ^{Dale 505. 5.}
 tives Cure *Anasarca*'s by applying boyld Leaves all over the ^{Ray H. Pl.}
 Belly. S. B. ^{1746. c. 8.}
 247. *Melleaarresh Malab.* ^{145. pl. 1.}
 Is a great Tree grown on *Tripitte Mountains*, the Natives bath ^{S. B. 6. 247.}
 in a *Decoction* of the *Wood*, *Bark* and *Leaves*, for *Rheumatick*
 pains. S. B.

The *Fruit* and *Leaf* seem to belong to different *Plants*, the ^{S. B. 4. 147.} first very much resembles the *Samstravadi* S. B. 4. 147. and the *Leaf* is like that of a *Melon*.

Here follows some *ANIMALS*, &c. Observed in the
 Philippine Isles, by that Reverend and Learned Father
 G E O R G E J O S E P H C A M E L, from whom I
 lately received them.

I **C**ato-Simius volans Cameli. GAZOPHYL. nost NATU- ^{S. B. 6 1}
 RAE Tab. 9. Fig. 8. ^{GAZ NAT,}
 Calago & Cagvang *Bysaiani*. *Gigua Pampangi* & *Tagali*. ^{Tab. 9. Fig 8}
 This strange and wonderful *Creature* is about the bigness of a
Cat, its body like an *Ape*, but slenderer; from *Head* to *Tail* are
 3 spans, between the *Arms* extended 2, and the *Thighs* 1 and a
 half. It's 3 spans from the fore to the hinder *Toes*, and as ma-
 ny between the 2 fore *Legs*, but between the hinder ones it's but
 2 spans. Its *Belly* an hand breadth, and the *Skin* from it a span.
 They report, that in the *Province Pampanga* they are as large as
 a *Chinese Umbrell*, or 6 spans broad.

His Hair is brownish, on the back of a *Mouse-dun*, mixt with very curious white, strip'd down, like those Skins which the Germans call *Feck* (which perhaps is our *Fitchow* or *Pole Cat*) these are longer on the Body, and shorter or its membranous skin. This Skin is extended round its Body from Head to Tail like a *Bat*, with which being expanded, they fly slowly from the top of one Tree to the middle of the next, and then advance up by flying leaps,

It hath a *Monkeys Face*, flat round bald *Ears*, each Foot hath 5 crooked flat Lyon-like very sharp *Claws*: on the *Belly* of the *Females* are 2 little bags, to which the young ones cling and suck: We knew not what is their *Food*, but its probably *Fruit*, because their usual abode is on Trees.

See its *Figure*, as *Father Camel* sent it me, in the 9th *Table* of my *Gazophylacium Naturæ*.

S. B. 6. 2. 3. *Papilio Phi lippensis Maximus*, lituris nigris mixtus. This is somewhat bigger than No. 6. following, but the Body much the same, its higher and lower Wings on both sides have a *yellowish* cast next the Body, the rest *white*, almost equally mixt with various *black* spots, *Islets*, streaks, &c.

S. B. 6. 3. 5. *Papilio Philippensis permaximus nigrescens*, campis aureis inferioribus alis pernotatis.

The *upper Wings* extended are more than 6 inches between the Tips, these are *blackish* next the Body, the rest feathered with grey: In the middle of each *lower Wing* are 7 or 8 *goldkn* shining *Feilds* inclosed with black Veins; these are encompassed with a large black *Selvedge* $\frac{1}{2}$ inch broad: Its *Body* black, *Belly* yellow, and *Rump* silvery.

S. B. 6. 4. 4. *Papilio Philippensis major nigrescens*, campis aureis inferioribus alis pernotatis.

This is much less than the last, ortherwise very like.

S. B. 6. 5. 5. *Papilio Luzonicus Calendulaceus pallidus*. This differs from our *Papilio Javanicus Calendulaceus Musei Petiver.* 518. in having the *upper Wings* on both sides *whitish*, where that is *yellow*; but the *lower wings* are the same, and particularly the Scarlet spot under each Shoulder; these are somewhat more than 3 inches below the Tips.

S. B. 6. 6. 6. *Papilio Luzonicus maximus nigrescens*, maculis coccineis subtus perbelle notatus. G A Z O P H Y L. noſt. N A T U R A E Tab. xi. Fig. 8.

The Body of this elegant and large *Butterfly* is black, as are its upper Wings on both sides, except a long Scarlet Spot on its Shoulders beneath, with another on its lower Wings; on the edges of these it's curiously beset with several others very beautiful to behold, imitating the finest *Chermesine*.

7. *Papilio Madraspatanus* nigrescens, maculis sanguineis pallidisque interspersis S. B. 3. 27. Act. Phil. No. 271. p. 862. 27.

S. B. 6. 7.
S. B. 3. 27.

8. *Papilio Philippensis* nigrescens non caudatus, maculis albis semicirculari.

S. B. 6. 8.

This only differs from S. B. 3. 30. *Act. Phil.* No. 271. p. 862. 30. in being without a Tail.

9. *Papilio Philippensis* major, obscure fuscus, albis striis insulisque mixtis.

S. B. 6. 9.

This and the next may be *Male* and *Female*

10. *Papilio Orientalis* e fusco & albescente, striis maculisque mixtus S. B. 3. 32. Act. Phil. No. 271. p. 682. 32.

S. B. 6. 10.

From the last this differs, in having its *Spots* and *Islets* white, it is also void of a particular black spot on a Vein near the middle of each lower Wing, which is very obvious in the other.

11. *Papilio Philippensis* major, pallide cærulescens, margine venisque nigricantibus.

S. B. 6. 11.

This resembles the 2 last in the divisions of its colours and magnitude, bus this has few or no spots on the edges, and is of a *bleak blue*, where the other is *white*.

12. *Papilio Orientalis* fuscus, umbra cærulecente albo basis circumscripta Mus. Petiver. 720. The *Indian Blue Glow*.

S. B. 6. 12.
Mus. Pet. 720.

This is mostly dark brown or blackish above, except in the middle of each Wing, where there is a large white field, which by reflection is encompassed with a glorious shining blue cast, which gains or loses according to the position of the light. Underneath it shines not, nor is its ground so dark as above, but adorn'd with *White Fields, Specks, Wars, Moons, &c.*

13. *Papilio Philippensis*, oculatus ferrugineus. S. B. 6. 13.

This is a middling *Butterfly*, of a brown rusty colour, has 6 Eyes on each lower Wing, and laced on the edges.

14. *Papilio Philippensis* minor albut. macula & apicibus nigris. S. B. 6. 14.

This is like one I have observed here in *England*, but less.

15. *Papilio Philippensis* minor luteus, marginibus superne nigricanibus. S. B. 6. 15.

I have

I have 3 or 4 varieties like this from *Africa* and *America* ; but this differs from them all, in having its dark Selvedge all round the Fly, which in its upper Wing is jagged.

S. B. 6. 16.

16. *Papiliunculus Philippensis* e *fusco cinereus*, *subtus pulchre notatus*, *humeris aureis*.

This small pretty *Insect* is $\frac{1}{4}$ an inch *broad*, and near $1\frac{1}{2}$ long, above of a dark hair colour, with pale in the middle, its ground underneath is half brown and pale, the Shoulders are elegantly striped with greenish shining Gold, and in its lower Wings are 7 oval black spots, set in a white Field.

S. B. 6. 17.

17. *Papiliunculus Philippensis* e *fusco cinereus*, *oculis tergeminis*, *alis inferioribus*.

This is somewhat less than the last, *brown* above and *cinereous* underneath, near the angle of each upper Wing is one large *black eye* in a *pale* circle, and in the lower 3 pair, of different magnitudes, the largest in the middle.

S. B. 6. 18.

18. *Papiliunculus Philippensis* *cæruleus major*, *subtus marmoreatus*.

This chiefly differs from the next in being larger (*viz.* $1\frac{1}{4}$ inch long) and the spots on the lower Wings more obvious, particularly one at each Tail (which terminats in a Hair) as also 2 black speck near the Shoulders, which are not set in the next.

S. B. 6. 19.

19. *Papiliunculus Philippensis* *cæruleus minor*, *subtus, marmoreatus*.

S. B. 6. 20.

20. *Papiliunculus Philippensis* *cæruleus minor*, *subtus maculatus*.

Muf. Petiv.

318.

This comes next to our *Blue Argus* *Muf. Petiver.* 318. but is less